

# General Information



on what we make  
The General  
Fireproofing Co.  
Youngstown, O.



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# THE GENERAL FIREPROOFING CO.

Youngstown, Ohio

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## WHAT WE MAKE

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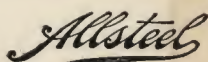
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## The General Fireproofing Co.

Youngstown, Ohio

### Offices:

|               |                        |
|---------------|------------------------|
| NEW YORK      | 10 E. 33rd Street      |
| CHICAGO       | 115 Adams Street       |
| BOSTON        | 161 Devonshire Street  |
| PHILADELPHIA  | Drexel Building        |
| ST. LOUIS     | Lincoln Trust Building |
| WASHINGTON    | 725 14th Street, N. W. |
| SAN FRANCISCO |                        |

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# THE GENERAL FIREPROOFING CO.

Youngstown, Ohio

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(Patented)

## HERRINGBONE Expanded Steel Lath

### “A” GRADE

*The standard lath for ceiling work.*

Used for all classes of work.

(Furnished without coating, or painted, or galvanized)

Sheets 14x96 inches . . . 1 square yard  
Size of mesh . . . . .  $\frac{3}{16}$ x1 inch

Packed 20 sheets (20 square yards)  
to the bundle.

Approximate weight per square yard:

28 gage . . . . . 3 lbs.  
26 gage . . . . .  $3\frac{2}{3}$  lbs.

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### “AA” GRADE HERRINGBONE

*Recommended for the very highest class of work.*

(Furnished without coating, or painted,  
or galvanized)

Size of mesh . . . . .  $\frac{1}{8}$ x1 inch

Size of sheet, weight and manner of packing  
same as grade “A”

Approximate measurement and weight of bundles of  
“A” and “AA” packed for export:

| Gage     | Number of sheets | Contents in cubic feet | Weight in lbs. | Number of sq. yds. |
|----------|------------------|------------------------|----------------|--------------------|
| 28       | 25               | 2.44                   | 80             | 25                 |
| 26       | 25               | 2.44                   | 100            | 25                 |
| 26 Galv. | 25               | 2.44                   | 105            | 25                 |
| Galv.    | 25               | 2.44                   | 92             | 25                 |

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(Patented)

## HERRINGBONE Expanded Steel Lath

### "BB" GRADE

*The standard lath for cement siding construction.*

Used for all classes of work.

(Furnished without coating, or painted, or galvanized)

Sheets  $20\frac{1}{4} \times 96$  inches . . .  $1\frac{1}{2}$  square yards  
Size of mesh . . . . .  $\frac{7}{8} \times 1\frac{1}{8}$  inches

Packed 15 sheets ( $22\frac{1}{2}$  square yards)  
to the bundle.

Approximate weight per square yard:

|         |           |                     |
|---------|-----------|---------------------|
| 27 gage | . . . . . | $2\frac{1}{4}$ lbs. |
| 26 gage | . . . . . | $2\frac{1}{2}$ lbs. |
| 24 gage | . . . . . | $3\frac{1}{8}$ lbs. |

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### "B" GRADE HERRINGBONE

*Recommended only for solid partitions.*

(Furnished without coating, or painted, or galvanized)

Size of mesh . . . . .  $\frac{5}{16} \times 1\frac{1}{8}$  inches

Size of sheet, weight and manner of packing,  
same as grade "BB"

Approximate measurement and weight of bundles of  
"B" and "BB" grades packed for export:

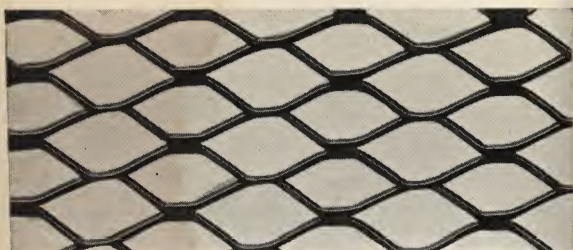
| Gage     | Number<br>of sheets | Contents in<br>cubic feet | Weight<br>in lbs. | Number of<br>sq. yds. |
|----------|---------------------|---------------------------|-------------------|-----------------------|
| 27       | 15                  | 2.36                      | 55                | $22\frac{1}{2}$       |
| 26       | 15                  | 2.36                      | 60                | $22\frac{1}{2}$       |
| 24       | 15                  | 2.48                      | 80                | $22\frac{1}{2}$       |
| Galv.    | 15                  | 2.36                      | $67\frac{1}{2}$   | $22\frac{1}{2}$       |
| 24 Galv. | 15                  | 2.48                      | 90                | $22\frac{1}{2}$       |



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THE GENERAL FIREPROOFING CO.  
Youngstown, Ohio

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## KEY EXPANDED METAL LATH

*Recommended for lathing domes, cove work and wrapping columns—wherever it is desired that the lath bend uniformly.*

Size of sheets . . . . . 18 x 96 inches  
Packed in bundles of 15 sheets, 20 square yards.

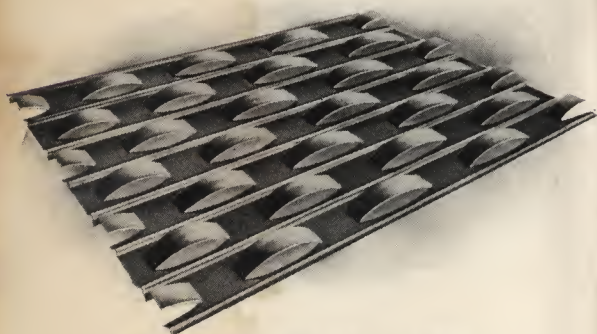
Approximate weight per square yard:

|         |           | Not coated | Galvanized |
|---------|-----------|------------|------------|
| 27 gage | . . . . . | 2.25 lbs.  | 2.8 lbs.   |
| 26 gage | . . . . . | 2.50 lbs.  | 3.1 lbs.   |
| 25 gage | . . . . . | 3.00 lbs.  | 3.6 lbs.   |
| 24 gage | . . . . . | 3.40 lbs.  | 4.1 lbs.   |

(Furnished without coating, or painted, or galvanized)

Approximate measurement and weight of bundles of  
"Key Lath" packed for export:

| Gage | Number<br>of sheets | Contents in<br>cubic feet | Weight in lbs. |       | Number of<br>sq. yds. |
|------|---------------------|---------------------------|----------------|-------|-----------------------|
|      |                     |                           | Painted        | Galv. |                       |
| 27   | 15                  | 1.3                       | 50             | 60    | 20                    |
| 26   | 15                  | 1.3                       | 55             | 70    | 20                    |
| 25   | 15                  | 1.56                      | 65             | 80    | 20                    |
| 24   | 15                  | 1.56                      | 75             | 85    | 20                    |



## BOSTON STEEL LATH

Painted or Galvanized

Approximate weight,  $4\frac{5}{8}$  pounds per square yard.  
Size of stock sheets: 24x96 inches,  $1\frac{7}{9}$  square yards.

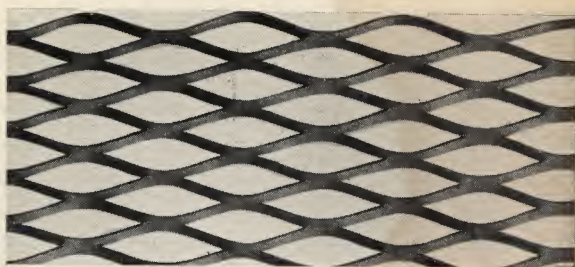
Also furnished in sheets  $13\frac{1}{2}$ x96 inches, 1 square yard,  
on special order.

Packed in bundles of 10 sheets.

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THE GENERAL FIREPROOFING CO.  
Youngstown, Ohio

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## GENFIRE EXPANDED METAL LATH

*A less rigid lath than "Key"*

Size of sheets . . . . . 20¼ x 96 inches

Packed in bundles of 15 sheets, 22½ square yards.

Approximate weights per square yard:

27 gage . . . . . 2.29 lbs.

26 gage . . . . . 2.50 lbs.

25 gage . . . . . 2.91 lbs.

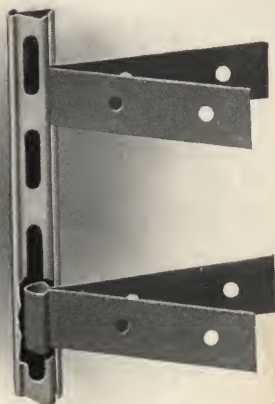
24 gage . . . . . 3.33 lbs.

(Furnished painted or without coating)

Approximate measurement and weight of bundles of  
"Genfire Lath" packed for export:

| Gage | Number<br>of sheets | Contents in<br>cubic feet | Weight<br>in lbs. | Number of<br>sq. yds. |
|------|---------------------|---------------------------|-------------------|-----------------------|
| 27   | 15                  | 1.18                      | 55                | 22½                   |
| 26   | 15                  | 1.18                      | 60                | 22½                   |
| 25   | 15                  | 1.32                      | 68                | 22½                   |
| 24   | 15                  | 1.32                      | 80                | 22½                   |

## UNIVERSAL STEEL CORNER BEAD



Heavily Galvanized  
by Special Process.

Will not rust.

Furnished with one clip  
per foot.

Weight per foot,  
.1475 lbs.

Bundles of 25 beads.

6, 7, 8, 9 and 10 foot  
lengths.

Strong splice easily  
formed.

## ALLUNITED STEEL STUDDING

*For hollow partitions.*

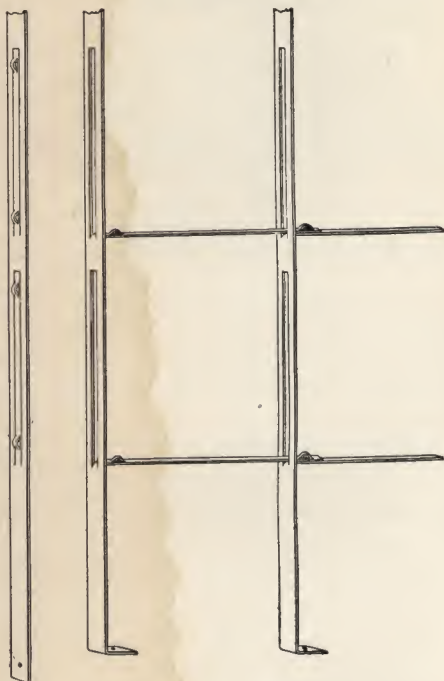


Fig. 1

Fig. 2

Fig. 1. As it is shipped.

Fig. 2. Assembled and ready for erecting.

Shipped in lengths 9 feet 3 inches to 19 feet 3 inches.

Made of No. 16 gage steel.

| Width            | Weight                  |
|------------------|-------------------------|
| 2 inches . . .   | 4 lbs. per square yard  |
| *2½ inches . . . | 5 lbs. per square yard  |
| 3 inches . . .   | 6½ lbs. per square yard |
| 3½ inches . . .  | 7 lbs. per square yard  |

\*Carried in stock. Other sizes on special order.

## TIE WIRE

No. 18 gage annealed wire, black or galvanized, is sold in 100 pound coils or 12 pound stones.

To tie 100 yards of lath on 12-inch centers requires 12 pounds of wire; on 16-inch centers, 10 pounds of wire.



## ALLUNITED STEEL STUDDING

*For solid partitions, wall furring and  
hung ceilings.*



Fig. 3

Fig. 4

Fig. 3. As it is shipped.

Fig. 4. Assembled, ready for erection.

Shipped in lengths 9 feet 3 inches to 19 feet 3 inches.  
Made of 16 gage steel.

| Width                         | Weight                              |
|-------------------------------|-------------------------------------|
| * $\frac{7}{8}$ inch . . .    | $1\frac{3}{4}$ lbs. per square yard |
| 1 inch . . .                  | 2 lbs. per square yard              |
| $1\frac{1}{4}$ inches . . .   | $2\frac{1}{2}$ lbs. per square yard |
| * $1\frac{1}{2}$ inches . . . | 3 lbs. per square yard              |

For Furring  $\frac{7}{8}$  inch is most used.

For Suspended Ceilings  $1\frac{1}{2}$  inches is most used.

\*Carried in stock, other sizes on special order.

## STAPLES

*For attaching lath to wood studding.*

No. 14 gage staples, 1-inch or  $1\frac{1}{4}$ -inch, in kegs of 100 pounds, wood boxes of 25 pounds and paper boxes of 10 pounds; polished or galvanized.

To put on 100 yards of lath, 12-inch centers, requires 10 pounds of 1-inch or 12 pounds of  $1\frac{1}{4}$ -inch staples.

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THE GENERAL FIREPROOFING CO.  
Youngstown, Ohio

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**METAL FURRING**

*Always thoroughly painted*

**WALL  
TIE**



**CRIMPED FURRING**

Widths: 1-inch,  $\frac{3}{4}$ -inch,  $\frac{1}{2}$ -inch. Lengths of 8 feet.

Weights per 100 feet:

1-inch, 8.35 lbs.  $\frac{3}{4}$ -inch, 6.27 lbs.  $\frac{1}{2}$ -inch, 4.17 lbs.

Used for furring out walls, etc.

**"U" SHAPED FURRING**

Stock size,  $\frac{1}{2}$  inch deep.

Also supplied  $\frac{3}{8}$  inch and  $\frac{5}{8}$  inch deep.

Bundles of 12 pieces, 8 feet long.

Approximate weight,  $\frac{1}{2}$ -inch size, 9 pounds  
per 100 lineal feet.

Used in cement siding construction, "U" furring acts as a binder as well as furring. Shrinkage cracks are resisted by a 3-way pull—diagonally by the sheathing; vertically by the furring; horizontally by the ribs in Herringbone Lath.

**"GRATER" WALL TIE**

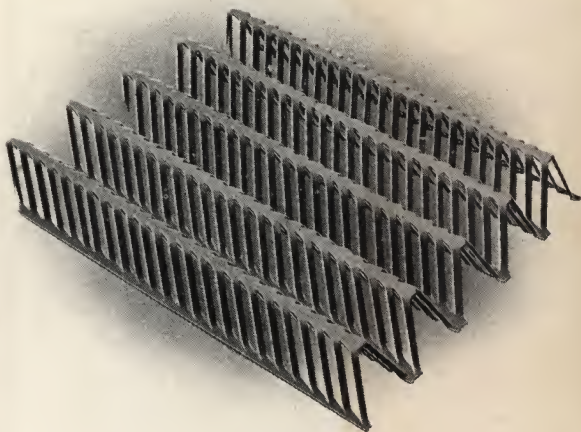
Approx. weight, 52 lbs. per 1000. Size,  $\frac{3}{4}$ x8 inches.  
Painted or galvanized.

For veneering, furnished with one end plain and punched for nailing; size,  $\frac{3}{4}$ x6 $\frac{1}{2}$  inches; Approx. weight, 40 pounds per 1,000.

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THE GENERAL FIREPROOFING CO.  
Youngstown, Ohio

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(Patented)

## TRUSSIT

*Self-centering reinforcement for light concrete roofs. Erected on 4-foot spans and concreted without forms.*

Stock sheets, 15½x96 inches . . . 10⅓ square feet

Sheets will also be cut in 4, 5, 6 and 7-foot, or 100-inch lengths, for a small extra charge.

Bundles of ten sheets.

Weight in pounds per square foot:

|         |           |            |
|---------|-----------|------------|
| 27 gage | . . . . . | .710 lbs.  |
| 26 gage | . . . . . | .770 lbs.  |
| 25 gage | . . . . . | .895 lbs.  |
| 24 gage | . . . . . | 1.020 lbs. |

Approximate measurement and weight of bundles of "Trussit" packed for export:

| Gage | Number of sheets | Contents in cubic feet | Weight in lbs. | Number of feet |
|------|------------------|------------------------|----------------|----------------|
| 27   | 10               | 2.61                   | 80             | 103⅓           |
| 26   | 10               | 2.61                   | 85             | 103⅓           |
| 25   | 10               | 2.83                   | 98             | 103⅓           |
| 24   | 10               | 2.83                   | 110            | 103⅓           |

# THE GENERAL FIREPROOFING CO.

Youngstown, Ohio



## EXPANDED METAL

Standard Reinforcement for sewers, conduits, short span floors, sidewalks, culverts, bridge floors, etc.

Made in tension; sure to be in tension in the concrete; convenient to handle and place.

### Weights, Sectional Areas and Sizes of Sheets:

| Style<br>Nos. | Size<br>of<br>mesh†<br>inches | Strand† | Approximate wt.<br>per sq.<br>foot<br>pounds | Net sectional area<br>per ft.<br>of width<br>inches | Standard Size of<br>Sheets<br>Length*<br>feet | Width†<br>feet |
|---------------|-------------------------------|---------|--|---|---|----------------|
| 1             | 3                             | .130x10 | .495   | .145  | 10 ½ or 8                                     | 6 or 4         |
| 2             | 3                             | .145x10 | .60  | .176  | 10 ½ or 8                                     | 6 or 4         |
| 3             | 3                             | .181x10 | .75  | .221  | 10 ½ or 8                                     | 5 or 4         |
| 4             | 3                             | .217x10 | .90  | .264  | 10 ½ or 8                                     | 4              |
| 5             | 3                             | .253x10 | 1.05   | .309  | 10 ½ or 8                                     | 4 ½            |
| 6             | 3                             | .290x10 | 1.20   | .353  | 10 ½ or 8                                     | 4 or 3         |
| 7             | 3                             | .125x12 | .364   | .107  | 10 ½ or 8                                     | 6 or 4         |
| 8             | 3                             | .140x12 | .408   | .120  | 10 ½ or 8                                     | 6 or 4         |
| 9             | 3                             | .125x13 | .312   | .092  | 10 ½ or 8                                     | 6 or 4         |
| 10            | 3                             | .140x13 | .350   | .103  | 10 ½ or 8                                     | 6 or 4         |
| 11            | 3                             | .125x16 | .235   | .069  | 10 ½ or 8                                     | 6 or 4         |
| 12            | 3                             | .140x16 | .262   | .077  | 10 ½ or 8                                     | 6 or 4         |
| 13            | 2                             | .125x12 | .547   | .161  | 8   | 6 or 4         |
| 14            | 2                             | .125x13 | .469   | .138  | 8   | 6 or 4         |
| 15            | 2                             | .125x16 | .351   | .103  | 8   | 6 or 4         |
| 16            | 1 ½                           | ⅜x12    | .625   | .184  | 8   | 6 or 4         |
| 17            | 1 ½                           | ⅜x13    | .563   | .165  | 8   | 6 or 4         |
| 18            | 1 ½                           | ⅜x16    | .401   | .118  | 8   | 6 or 4         |
| 19            | ¾                             | .093x13 | .80  | .235  | 8   | 5 or 4         |
| 20            | ¾                             | ⅜x13    | .937   | .276  | 8   | 5 or 4         |
| 21            | ¾                             | .186x13 | 1.60   | .470  | 8   | 5 or 4         |
| 22            | ¾                             | ⅜x16    | .703   | .207  | 8   | 5 or 4         |
| 23            | ½                             | ⅜x18    | .50  | .147  | 8   | 4              |

\*Measured long way of diamond.

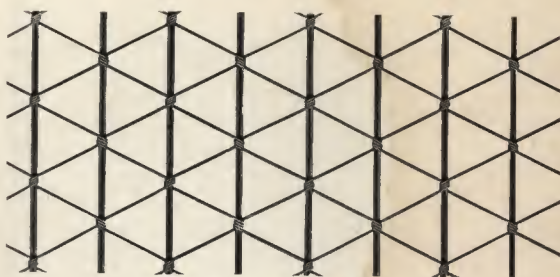
†Measured short way of diamond.

‡Figures before "x" show width of strand in inches, measured on surface of sheet. Figures following "x" show gage of metal.



# THE GENERAL FIREPROOFING CO.

Youngstown, Ohio



(Patents pending)

## WIRE FABRIC REINFORCEMENT

*Supplied in any desired sectional area.*

- 4-in. mesh with 14 gage cross wires, 4 ins. on centers
- 4-in. mesh with 12½ gage cross wires, 4 ins. on centers
- 2-in. mesh with 14 gage cross wires, 2 ins. on centers
- 2-in. mesh with 12½ gage cross wires, 2 ins. on centers

## LONGITUDINAL WIRES

*Spaced four inches on centers for all grades.*

One wire longitudinal in ¼-inch size.

One, two or three wire longitudinals in gages Nos. 4, 5, 6, 8, 10, 12½.

Following is data on the styles most used :

| Style No. | Weight per 100 sq. ft. | Size of wire longitudinal | No. of wires each longitudinal | Longi-tudinal members | Cross wires 12½ gage | Cross section per ft. width |
|-----------|------------------------|---------------------------|--------------------------------|-----------------------|----------------------|-----------------------------|
| 23        | 65.8                   | ¼-inch                    | 1                              | *.1472                | .0381                | .1701                       |
|           |                        |                           |                                | † 9420                | 2440                 | 10886                       |
| 24        | 56.7                   | No. 4                     | 1                              | *.1192                | .0381                | .1421                       |
|           |                        |                           |                                | † 7628                | 2440                 | 9094                        |
| 25        | 50.7                   | No. 5                     | 1                              | *.1009                | .0381                | .1237                       |
|           |                        |                           |                                | † 6457                | 2440                 | 7916                        |
| 26        | 45.8                   | No. 6                     | 1                              | *.0868                | .0381                | .1096                       |
|           |                        |                           |                                | † 5555                | 2440                 | 7014                        |
| 38        | 135.8                  | No. 4                     | 3                              | *.3576                | .0381                | .3804                       |
|           |                        |                           |                                | † 22886               | 2440                 | 24345                       |
| 42        | 60.1                   | No. 10                    | 3                              | *.1287                | .0381                | .1515                       |
|           |                        |                           |                                | † 8236                | 2440                 | 9696                        |
| 26A       | 61.3                   | No. 6                     | 1                              | *.0868                | .0762                | .1096                       |
|           |                        |                           |                                | † 5555                | 4877                 | 7014                        |
| 38A       | 154.9                  | No. 4                     | 3                              | *.3576                | .0762                | .3804                       |
|           |                        |                           |                                | † 22886               | 4877                 | 24345                       |

\*Net sectional area.

†Ultimate strength at 64,000 lbs. persquare inch.

The letter "A" following the style number is used to indicate a style in which the cross wires are spaced 2 inches on the longitudinals. In all styles not designated with the letter "A," the cross wires are spaced 4 inches on the longitudinals.

If these styles do not fill your requirements send for complete data on all stock sizes.





Office of The General Fireproof  
Cement Siding, Plaster  
Expanded



Works of The General Fireproof



g Company, Youngstown, Ohio.  
ed over Herringbone  
eel Lath.



Company, at Youngstown, Ohio.

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THE GENERAL FIREPROOFING CO.  
Youngstown, Ohio

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(Patented)

## PIN-CONNECTED GIRDER FRAME

This is the most economical unit beam reinforcement. The frames are built in a fully equipped shop, and are shipped ready to be lifted into the forms. They load compactly and secure the lowest freight rate. No expensive field work, either blacksmithing or assembling, is required. Each frame is so numbered that the steel is erected rapidly and economically, and the danger of misplaced steel, which always attends the use of loose rod reinforcement, is entirely avoided. We sell the frames f. o. b. cars, or erected in the forms by our own men, ready for the concrete. Using our system, any responsible general contractor can build a first class reinforced concrete structure.

### Features of the Pin-Connected Girder Frame are :

Diagonals rigidly attached at both ends, which may be spaced as frequently as is necessary to resist the shearing stresses;

Carrying one of the main members to the top at the supports, and returning it to provide for negative moments;

A link and pin connection over each point of support, giving each frame a mechanical connection with adjoining frames, so that bonding action of the concrete is not depended upon to transmit stresses from beam to beam.

In use as Beam Reinforcement, the required amount of steel is made up by using as many frames (units) as are necessary. In the construction of these units we use bars, varying by sixteenths, from  $\frac{5}{8}$  of an inch to  $1\frac{1}{4}$  inches. When the required area of steel is known, the table on opposite page may be employed for adapting Pin-Connected Girder Frames to a design. This table shows the sizes of bars constituting the frame, also sectional area of steel at center, and width of concrete, for different numbers of frames, in different standard sizes.

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**THE GENERAL FIREPROOFING CO.**  
Youngstown, Ohio

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**Sectional Area of Steel for Varying  
Numbers of Frames**

| Size                  | No. of<br>Frames | Sec. Area<br>sq. in. | Width of<br>Beam Required;<br>Bottom |
|-----------------------|------------------|----------------------|--------------------------------------|
| $\frac{5}{8}$ inch    | { 1              | 0.78                 | 4 inches                             |
|                       | { 2              | 1.56                 | 6 inches                             |
|                       | { 3              | 2.34                 | 8 inches                             |
| $1\frac{1}{8}$ inch   | { 1              | 0.95                 | 4 inches                             |
|                       | { 2              | 1.89                 | 6 inches                             |
|                       | { 3              | 2.84                 | 8 inches                             |
| $\frac{3}{4}$ inch    | { 1              | 1.13                 | 4 inches                             |
|                       | { 2              | 2.25                 | 7 inches                             |
|                       | { 3              | 3.38                 | 9 inches                             |
|                       | { 4              | 4.50                 | 12 inches                            |
| $1\frac{3}{8}$ inch   | { 1              | 1.32                 | 4 inches                             |
|                       | { 2              | 2.64                 | 7 inches                             |
|                       | { 3              | 3.96                 | 10 inches                            |
|                       | { 4              | 5.28                 | 13 inches                            |
| $\frac{7}{8}$ inch    | { 1              | 1.53                 | 4 inches                             |
|                       | { 2              | 3.06                 | 7 inches                             |
|                       | { 3              | 4.59                 | 10 inches                            |
|                       | { 4              | 6.13                 | 13 inches                            |
|                       | { 5              | 7.66                 | 16 inches                            |
| $1\frac{5}{8}$ inch   | { 1              | 1.76                 | 4 inches                             |
|                       | { 2              | 3.52                 | 7 inches                             |
|                       | { 3              | 5.27                 | 10 inches                            |
|                       | { 4              | 7.03                 | 13 inches                            |
|                       | { 5              | 8.79                 | 16 inches                            |
| 1 inch                | { 1              | 2.00                 | 4 inches                             |
|                       | { 2              | 4.00                 | 7 inches                             |
|                       | { 3              | 6.00                 | 10 inches                            |
|                       | { 4              | 8.00                 | 13 inches                            |
|                       | { 5              | 10.00                | 16 inches                            |
| $1\frac{1}{8}$ inches | { 1              | 2.26                 | 6 inches                             |
|                       | { 2              | 4.51                 | 8 inches                             |
|                       | { 3              | 6.77                 | 12 inches                            |
|                       | { 4              | 9.03                 | 15 inches                            |
|                       | { 5              | 11.29                | 18 inches                            |
| $1\frac{1}{8}$ inches | { 1              | 2.53                 | 6 inches                             |
|                       | { 2              | 5.06                 | 9 inches                             |
|                       | { 3              | 7.59                 | 13 inches                            |
|                       | { 4              | 10.13                | 17 inches                            |
|                       | { 5              | 12.66                | 20 inches                            |
| $1\frac{1}{4}$ inches | { 1              | 3.13                 | 6 inches                             |
|                       | { 2              | 6.25                 | 9 inches                             |
|                       | { 3              | 9.38                 | 13 inches                            |
|                       | { 4              | 12.50                | 17 inches                            |
|                       | { 5              | 15.63                | 21 inches                            |

**NOTE**—Pin-Connected Girder Frames can be made in any length and any depth, and are fabricated with the correct amount of shear reinforcement.

Depth of the frame is 4 inches less than the full depth from the top of the floor to the bottom of the concrete beam.

**EXAMPLE**—For uniformly loaded beam requiring for reinforcement sectional area of 5.06 square inches of steel, use two  $1\frac{1}{8}$ -inch Pin-Connected Girder Frames. This gives four  $1\frac{1}{8}$ -inch bars, equal to 5.06 square inches of steel.

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Youngstown, Ohio

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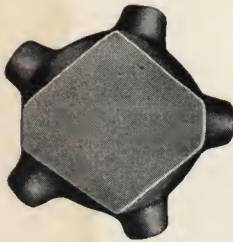
(Patented)

## COLD TWISTED LUG BAR

*Rolled from mild steel.*

| Size                | Approximate<br>Weight<br>per ft. | Net<br>Sec.<br>Area | Working<br>Load at<br>20,000 lbs. | Lengths      |
|---------------------|----------------------------------|---------------------|-----------------------------------|--------------|
| $\frac{1}{4}$ in.   | .212                             | .0625               | 1,250                             | 16 to 46 ft. |
| $\frac{3}{8}$ in.   | .478                             | .1406               | 2,810                             | 16 to 50 ft. |
| $\frac{7}{16}$ in.  | .651                             | .1914               | 3,920                             | 16 to 50 ft. |
| $\frac{1}{2}$ in.   | .850                             | .2500               | 5,000                             | 16 to 46 ft. |
| $\frac{5}{8}$ in.   | 1.328                            | .3906               | 7,810                             | 16 to 46 ft. |
| $\frac{3}{4}$ in.   | 1.913                            | .5625               | 11,250                            | 16 to 42 ft. |
| $\frac{7}{8}$ in.   | 2.603                            | .7656               | 15,300                            | 16 to 46 ft. |
| 1 in.               | 3.400                            | 1.0000              | 20,000                            | 16 to 46 ft. |
| 1 $\frac{1}{8}$ in. | 4.303                            | 1.2656              | 25,200                            | 16 to 46 ft. |
| 1 $\frac{1}{4}$ in. | 5.312                            | 1.5625              | 31,250                            | 16 to 60 ft. |

Weights subject to usual mill variation of  $2\frac{1}{2}\%$ .



*Cross Section of  
Cold Twisted Lug Bar.*

Elastic limit upwards of 65,000 pounds per square inch.

Ultimate strength, 84,000 pounds per square inch.

Perfect mechanical bond due both to the spiral and the lugs.

Rolled from mild steel.

Reliability insured by twisting cold.

Ample stocks always available for immediate delivery.

Let us mail you stock list the 5th and 20th of each month.



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THE GENERAL FIREPROOFING CO.  
Youngstown, Ohio

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*Allsteel*

No building can be fireproof if it is finished with doors and mouldings of wood, and furnished with desks, chairs, tables and filing cases that will burn.

This is the only organization in the world that carries fireproofing to its logical conclusion; that makes it possible to equip a building throughout with fireproof

*Allsteel*

*Doors*                      *Window Casings*                      *"Trim"*  
*Desks*                      *Filing Cases*                      *Tables*  
*Sectional Filing Units*  
*Lockers*                      *Wardrobes*

Complete furniture and filing equipment  
in steel for

*Banks*                      *Commercial Offices*                      *Libraries*  
*Public Buildings and Offices*

As a material for office furniture, steel has many advantages over wood in addition to being fireproof. Allsteel furniture is not affected by atmospheric conditions; dampness will not cause the drawers in desks or filing cases to swell and bind. The surface finish is not a veneer that moisture will raise into blisters, but a hard, baked-on enamel, much less liable to damage than finished wood. Allsteel furniture is sanitary, vermin-proof, and indestructible through use.

*Send for Catalogues, mentioning what  
devices will interest you.*

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Youngstown, Ohio

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*Allsteel*

Furniture, Filing  
Devices and Complete Equipment

*Built to meet especial requirements of*  
*Banks*  
*Public Buildings and Offices*  
*Libraries*



*Allsteel Bank Equipment.*  
*Rochester Trust and Safe Deposit Co.*  
*Rochester, N. Y.*

Our catalogue on bank equipment and our general catalogue of Allsteel Furniture, contain many illustrations of typical installations in steel, and will be sent on request. We maintain an organization of experienced designers and draftsmen, and request an opportunity to estimate on any work contemplated.

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Youngstown, Ohio

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### FLAT TOP DESK



Sixty inches wide, 31 inches high,  $33\frac{1}{4}$  inches deep.  
Bottom drawers equipped as vertical letter files.

### ROLL TOP DESK



Writing bed, 60 inches wide and  $33\frac{1}{4}$  inches deep.  
Height: Writing bed, 31 inches; roll top,  $11\frac{3}{8}$  inches; overall,  $42\frac{3}{8}$  inches. Six drawers in pedestal; two equipped as vertical letter files. In roll top, two drawers, seven pigeon holes, two cast bronze pen racks.

Both of these desks built entirely of Steel, finished in oak or mahogany, are

*carried in stock for immediate delivery.*

Send for complete description and prices.

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Youngstown, Ohio

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## *Allsteel* DOCUMENT FILES

Outside Dimensions of Stock Sizes, 24, 30,  
36 and 48 File Cases

| Width                             | Height               | Depth  |
|-----------------------------------|----------------------|--------|
| 24 file case 21 $\frac{1}{4}$ in. | 69 $\frac{5}{8}$ in. | 14 in. |
| 30 file case 26 $\frac{1}{4}$ in. | 69 $\frac{5}{8}$ in. | 14 in. |
| 36 file case 31 $\frac{1}{4}$ in. | 69 $\frac{5}{8}$ in. | 14 in. |
| 48 file case 41 $\frac{1}{4}$ in. | 69 $\frac{5}{8}$ in. | 14 in. |

These cases are 6 files high and 4, 5, 6 or 8 files wide. The clear inside dimensions of each file are 4  $\frac{3}{8}$  in. wide, 10 in. high, 12 in. deep.

A device which permits locking all of the files in a case at one operation will be furnished when desired. This adds 1  $\frac{1}{2}$  in. to the depth of the case, outside measurement.

Document file cases are also built 3 files wide and 4 high, to stack uniformly with 4-drawer vertical letter files. These cases are 16  $\frac{1}{4}$  in. wide, 52  $\frac{5}{8}$  in. high and 24 in. deep. The files are 10 in. deeper than the files in the 24-file and larger cases.

*All of these sizes carried in stock for immediate delivery.*



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## *Allsteel* VERTICAL FILES

Outside Dimensions of Stock Sizes,  
Four Drawer Vertical Files

|             | Wide                 | High                 | Deep   |
|-------------|----------------------|----------------------|--------|
| Letter Size | 14 $\frac{1}{4}$ in. | 52 $\frac{5}{8}$ in. | 24 in. |
| Legal Size  | 17 $\frac{1}{4}$ in. | 52 $\frac{5}{8}$ in. | 24 in. |

These cases may be furnished with a device by which the locking of the top drawer locks the entire section of four drawers. Where the lock is used, the clear inside dimensions of the drawers are:

|             | Wide   | High                 | Deep                 |
|-------------|--------|----------------------|----------------------|
| Letter Size | 12 in. | 10 $\frac{5}{8}$ in. | 18 $\frac{1}{2}$ in. |
| Legal Size  | 15 in. | 10 $\frac{5}{8}$ in. | 18 $\frac{1}{2}$ in. |

Without the lock, a depth of 20 inches is gained.

When loaded to their full capacity and withdrawn their entire length, these drawers will not sag.

*Both of these sizes carried in stock for immediate delivery.*



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THE GENERAL FIREPROOFING CO.  
Youngstown, Ohio

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*For Every Filing Need  
A Unit Made of Steel.*

We have combined the convenience and economy of the "Unit" sectional filing idea with the advantages of steel, and manufacture in standard sizes for every possible requirement

*Allsteel* HORIZONTAL UNITS

These devices cost no more than similar wood cases.

The filing case illustrated above is composed of nine separate steel units of standard dimensions. These units, and many more, finished in oak, mahogany or solid colors, are

*carried in stock by local dealers.*

Send for prices, literature showing sizes of the different devices of our manufacture and the name of the dealer in your territory.

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### *Allsteel* CARD INDEX CASES

Afford the safest and most convenient receptacles for filing index and record cards. We have in stock, ready for delivery, cases in one, two, three, and four drawer units, and open cases for desk work. Each drawer will contain from 800 to 1,200 cards of the following standard sizes:

5x3 inches      6x4 inches      8x5 inches

An easily adjusted compressor keeps the cards upright and compact, and the cases may be had furnished with a rod to retain the cards in the case.



### *Allsteel* TABLE

*Carried in stock for immediate delivery.*

Dimensions: 72 inches long; 34 inches wide;  
31 inches high.

Finished in oak, mahogany or solid colors.  
Ask for Prices.

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THE GENERAL FIREPROOFING CO.  
Youngstown, Ohio

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*S S type Locker*



*C D type Locker*

*Two of many types carried in stock.*

## *Allsteel* LOCKERS

We manufacture and carry in stock for immediate delivery every desirable type of clothing lockers, both of expanded metal and sheet steel. These are sanitary, repel vermin, and encourage system and order in shops and stores, and wherever used.

*We have furnished 18,750 ventilated sheet steel lockers for United States Army Posts.*

Allsteel lockers possess many points of superiority in construction and finish, and our quotations on installations of any size will be found attractive.

*Send for literature illustrating and giving  
dimensions of eleven types  
carried in stock.*



